

## **BUS MECHANIC I**

### *Class Definition*

Under close supervision, maintains and repairs diesel and gasoline powered City buses and related equipment.

### *Distinguishing Characteristics*

Bus Mechanic I is the trainee level in the Bus Mechanic series. Incumbents receive training in the maintenance and repair of diesel and gasoline automotive and mechanical equipment. A Bus Mechanic I performs all details of the work under close observation and guidance. This class is distinguished from Bus Mechanic II in that the latter is the journey level class.

### *Typical Tasks*

(An incumbent may not be assigned all duties listed, nor do the examples cover all duties which may be assigned.)

Performs regularly scheduled maintenance on diesel buses, such as oil, filters, and fluid changes.

Performs tune-ups and sub-systems adjustments.

Performs minor repairs and replaces components on diesel transit coaches and related equipment.

Learns the disassembly, reassembly, removal, installation, overhaul, and repair of diesel and gasoline engines and transmissions.

Learns the maintenance and repair of air and hydraulic brake systems.

Responds to road calls to repair transit coaches and related equipment.

Tests and inspects diesel and gasoline engines, transmissions, electrical systems, air compressors and other sub-systems.

Learns to install new ignition systems and repair and replace transmission and other parts.

Learns to diagnose malfunctioning diesel and gasoline engines, transmissions and related sub-systems.

Learns to disassemble and overhaul internal combustion engines, pumps, generators, transmissions, clutches and rear ends.

Performs related duties as required.

*Knowledge, Abilities, and Skills*

Knowledge of the occupational hazards and safety precautions of the trade.

Some knowledge of the methods, materials, and equipment used in the maintenance and repair of diesel and gasoline engines, transmissions, electrical systems, air compressors and other sub-systems.

Some knowledge of the operating principles of diesel and gasoline engines and engine driven sub-systems.

Ability to learn to diagnose malfunctioning mechanical systems and related sub-systems.

Ability to understand and carry out written and oral instructions.

Ability to establish and maintain effective working relationships with those contacted in the performance of assigned duties.

Skill in the proper use of the tools and equipment used in automotive maintenance and repair.

*Minimum Qualifications*

One year of experience performing minor maintenance on vehicles and equipment.

After completing a minimum of three years of work experience, including 4,000 hours of training, a Bus Mechanic I may be promoted to Bus Mechanic II upon recommendation of the supervisor.

*Necessary Special Requirement*

May require possession of a valid Class C California Driver's License at time of appointment and ability to acquire a Class A California Driver's License which must be maintained for the entire term of employment in this class.

APPROVED: \_\_\_\_\_

Director of Human Resources

DATE: \_\_\_\_\_

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